			an
	Application No.	Applicant(s)	
Notice of Allowability	10/035,690	CHEN ET AL.	
	Examiner	Art Unit	
	DAVID VU	2818	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica IGHTS. This application is subject	application. If not inclu	ded e course THIS
1. This communication is responsive to 07/25/03.			
2. The allowed claim(s) is/are <u>1-8; 10-17& 21-24.</u>			
3. The drawings filed on <u>08 November 2001</u> are accepted by	the Examiner.		
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 			
1. Certified copies of the priority documents have	been received.		
2. Certified copies of the priority documents have	been received in Application No	· •	
3. Copies of the certified copies of the priority doc	cuments have been received in the	his national stage applic	ation from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:	*		
 Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specifica 	ation or in an Application Data Sh	visional application) sin eet. 37 CFR 1.78.	ce a specific
(a) The translation of the foreign language provisional a			
 Acknowledgment is made of a claim for domestic priority ur in the first sentence of the specification or in an Application 	nder 35 U.S.C. §§ 120 and/or 12 [.] Data Sheet. 37 CFR 1.78.	1 since a specific refere	nce was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the comply will result in ABANDONMENT of the complex will result in ABANDONMENT of the complex will result in ABANDONMENT of the complex will be complex will result in ABANDONMENT of the complex will be	this communication to file a reply this application. THIS THREE-N	y complying with the red MONTH PERIOD IS NO	quirements noted T EXTENDABLE
 A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EXAMIN as reason(s) why the oath or decl	ER'S AMENDMENT or aration is deficient.	NOTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 		ГО-948) attached	
1) hereto or 2) to Paper No			
(b) \square including changes required by the proposed drawing of	orrection filed, which has	been approved by the	Examiner.
(c) ☐ including changes required by the attached Examiner's	s Amendment / Comment or in th	e Office action of Paper	· No,
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the dra he margin according to 37 CFR 1.1	nwings in the front (not the 21(d).	ie back) of
9. DEPOSIT OF and/or INFORMATION about the deposattached Examiner's comment regarding REQUIREMENT FOR TI	sit of BIOLOGICAL MATERIA HE DEPOSIT OF BIOLOGICAL I	L must be submitted. MATERIAL.	Note the
Attachm nt(s)			
1⊠ Notice of References Cited (PTO-892)	5 ☐ Notice of Informal	Patent Application (PT	O-152)
2 Notice of Draftperson's Patent Drawing Review (PTO-948)		y (PTO-413), Paper No	. <u>12/05/03</u> .
Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No), 7☐ Examiner's Amend	dment/Comment	
I☐ Examiner's Comment Regarding Requirement for Deposit	- 1	nent of Reasons for Allo	wance
of Biological Material	9☐ Other .		
	David Nelms		
	ervisory Patent Examiner echnology Center 2800		
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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Randy W. Tung on 12/05/03.

The applicant has been amended as follows:

In the claim 11, the phrase "claim 9" has been changed to--claim 10--

Reason for allowance

2. The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests a method for preventing the occurrence of undeveloped photoresist in semiconductor manufacturing process comprising the steps of: etching according to the trench line pattern through at least a thickness of the DARC layer to include a portion of the via plug; and etching according to the trench line pattern through a thickness portion of the dielectric insulating layer to form a trench line opening disposed substantially over a remaining portion of the via opening.

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Any comments considered necessary by applicant must be submitted no later than the

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payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Conclusion

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David Vu whose telephone number is 703-305-0391. The new

phone number after January 08, 2004 will be (571) 272-1798. The examiner can normally be

reached on Monday-Friday 8:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Nelms can be reached on 703-308-4910. The new phone number after January

08, 2004 will be (571) 272-1787.

The fax phone numbers for the organization where this application or proceeding is

assigned is (703) 308-7722 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

DV

David Vu.

Supervisory Patent Examiner

Technology Center 2800